Bitulithic vs. Asphalt Block

An open letter to the citizens of Richmond and the Broad Street Merchants (in particular), and the Council and Aldermanic Boards.

In March of this year the question of smooth pavement for Broad Street was under discussion by the Retail Merchants' Association, the city having previously appropriated the sum of \$50,000 for the paving

At a meeting of the City Council held on the evening of March 8 this question was referred to a subcommittee of five, and representatives of the Retail Merchants' Association appeared before the committee and voicing the sentiment of the Retail Merchants' Association, stated that they would be satisfied with the selection of any form of standard smooth payement which the Street Committee deemed advisable, after proper tion that they would be satisfied with the Street Committee's recommendation, and articles appearing in the local papers for several days subsequent to this meeting indicated the willingness of the Retail Merchants' Association and members of the council led to the subsequent to this meeting indicated the willingness of the Retail Merchants' Association to be entirely satisfied with the adoption of any form of standard smooth papers for several days subsequent to this meeting indicated the willingness of the Retail Merchants' Association to be entirely satisfied with the adoption of any form of standard smooth pavement.

Pursuant to the action of the subcommittee, the City Engineer was instructed to advertise for bids on several forms of standard smooth pavement, Bitulithic included; and no adverse sentiment of Broad opportunity to present their claims to the consideration of the Council, and that the action of the Street Committee in reference to the selection of the pavement to be used would meet with the approval of the Broad Street traffic; and as we believe the sole question at issue is the selection of the best form of pavement, we present below a few facts in substantiation of our claims that Bitulithic is preferable to asphalt block, and we respectfully request that all interested parties will carefully read and digest this argument before reaching a final decision of the questions involved.

The local press doubtless means to be fair in their expressions of opinion, but nevertheless have published statements totally inconsistent with the facts and manifestly unfair to a home concern, having its of a high-grade standard form of smooth pavement in use in over 250 cities and towns in the United States, and increasing yearly in propularity among engineers and citizens, and pronounced by a great majority of the

We give below a sample extract from newspaper publications which are entirely inconsistent with the facts, and such statements, uncontradicted, might be well calculated to influence the judgment and opinions of those whose uty it is to settle this questoin;

FROM THE NEWS LEADER, July 12, 1912

'Durability Bitulithic paving three to five years." "Salvage for reuse small percentage of material."
"Cost of repairs large percentage orightal cost."

Salvage for reuse-All original material. Cost of repairs-Very small percentage of original cost.

The above statements are grossly inaccurate and manifestly unfair, as many Bitulithic pavements laid in the year 1901 and subjected to heavy traffic conditions are to-day in first-class condition, having required no repairs of any kind.

Clippings from all the local papers commenting upon the merits or demerits of Bitulithic and published since the recommendation of the Street Committee that Broad Street be paved with Bitulithic are on Chippings from all the local papers commenting upon the ments or dements of Bitulithic and published since the recommendation of the Street Committee that Broad Street be paved with Bitulithic are on and unfair have been used to influence the judgment and opinion of members of the Council and Aldermanic bodies, as, for example, a member of the Council stated to a representative of the Bitulithic Company that some As a general denial to all such statements, we reiterate the fact that we have never laid a yard of Bitulithic in the City of Richmond, nor in the City of Washington, and that Bitulithic pavement is not similar to sheet asphalt, such as laid around the Old Market and on North Eighth Street, but entirely different in form of material and construction.

Another unfair attack upon our pavement is brought in the form of a pamphlet entitled "THE EXPERIMENT THAT FAILED." This is unsigned, therefore anonymous and worthy of no consideration; "demise" we contracted for over six milion square yards of Bitulithic, an increase over the previous year of more than forty per cent. Up to July 1, 1912 (the year after "we were buried") we have contracted for over four of Bitulithic and used in an attempt to discredit our claims. We have been further accused by a merchant, very prominent in his expressions of opposition to our pavement, of maintaining a strong "lobby," which has while the FACTS are that our opponents, aided by the efforts of the Broad Street merchants, have outdistanced us as "lobbyists."

Attention has been called to "failures" of Bitulithic in the cities of Chicago, St. Louis and Newport News. We cheerfully and candidly concede that in the laying of over twenty-three million square yards of have also made failures. Such percentage of failures in the case of Bitulithic pavement is less than one-tenth of t per cent, of total area laid and due to impractical form of base or some unavoidable accident during pro-

To any parties interested in the circulation of literature or photographs in substantiation of above claims that failures have been made in the use and construction of all forms of standard pavement we are prepared to submit an abundance of evidence, but, as previously stated, we have always considered this form of "knocking" a poor way to secure business.

Believing that the main question at issue is whether asphalt block or Bitulithic is the best form of pavement for Broad Street, we herewith submit some facts and letters in reference to both forms of pavement, which we trust will aid in the solution of the question

An extract from the Municipal Journal and Engineer, under date of August 10, 1910:

ASPHALT BLOCK NOT SUITABLE FOR NEWARK.

Newark, N. J.—The Board of Works Commissioners and Chief Engineer M. R. Sherrerd, with Street Engineer Howell, have returned from an inspection of asphalt block paved streets in New York, Brooklyn and Staten Island. While the trip was made with an idea of learning the adaptability of the material for Market Street, it was the consensus of opinion of the inspecting party that it would not be suitable for that thoroughfare or any other where there is heavy traffic.

We ask consideration of the following letters selected from many of a similar character, and while referring to the publication of such opinions or testimonials, we hereby state our willingness to have all are in position to successfully support our claims that Bitulithic is not only the best form of pavement for Broad Street, but is offered at a considerable saving of expense, and if adopted will prove, as it has in other cities are to-day its warmest advocates, after having given it a fair trial. The only adverse opinions on Bitulithic from out-of-town so far appearing in the press have been expressions from a jeweler in Newark, that it is a good pavement, and the members of the Paving Commission are unanimous in voicing the same opinion. We refer any one interested to Mr. Keith Compton. Chairman of the Paving Commission, of Baltimore, Md. According to the newspapers, Mr. McCoy expressed but one objection, and that was the matter of its cost over that of sheet asphalt,

Form of Inquiry

Dear Str.—We are considering the selection of a smooth pavement for one of our principal streets, and have particularly in mind asphalt block or bitulithic. A committee from our city, on a recent inspection trip, was favorably

experience, if any, with either of these forms of pavement and your preference? Yours very truly,

mpressed with bitulith

W.E.S.

WM. E. SULLIVAN.

Would you kindly give us your

Member City Council.

Replies

CITY ENGINEER'S OFFICE,

Otis F, Clapp, City Engineer, Providence, R. I., July 23, 1912.

Mr. W. E. Sullivan.

Member City Council, Richmond, Va.:

Dear Sir,—Your letter of the 20th instant in relation to forms of pavement is received. We have a little more than a mile of bitulitie pavement put down about three years ago, it is working finely. It is on two parallel streets that are used by automobiles largely, and is proving to be very good for such use. This was put down by the Warren Bros. I think it is the best of these you mention. of these you memory
of these you memory
fours respectfully,
OTIS P. CLAPP.
City Engineer.

CITY OF CAMBRIDGE, MASS.

OFFICE OF THE SUPERINTENDENT OF STREETS,

Mr. W. E. Sullivan,
4 North Tenth Street, Richmond, Va.;
Dear Sir.—I have yours of the 20th instant in relation to smooth pavement, and would advise that in this city we have laid over one hundred thousand yards of bitulithic pavement on many of our principal streets.

This particular kind of pavement has been laid in some cases since 1901, and we have laid it every year since 1905.
This present year we have contracted for several thousand wors varids.

here has been no repairs needed on any of it since laid makes a beautiful appearance, and although smooth, is not It makes a cause stippers.

I should be pleased to give you any further information you might desire, and remain.

Very truly yours.

EDWARD W. QUINN.

Superintendent of Streets.

Richmond, Va.:

Dear Str.—Your inquiry of 20th is at hand. I would much profer bitulithle pavement to the other kind you mention. It has been in service here for ten years without surfacing, and is now in good condition and popular.

Very truly yours.

THE CITY ENGINEED NASHVILLE, TENN.

City Engineer, Charles W. Wain, Assist, Engineer.

J. C. Evan

cans. Chief Draughtsman. Nashville, Tenn., July 24, 1912.

Dear Sir.—Replying to your inquiry of the 20th regarding "Bitulithic" paving. We have had ten years experience with "Warren's Bitulithic" paving on streets sustaining heave traffic. The pavement has given satisfactory servic. Cost of maintenance and repairs has been quite reasonable. The pavement is durable, quiet, clean, sanitary and affords a good to athold. It is popular here, and we are continuing its use.

Yours truly, WM, W. SOUTHGATE, City Engineer

DEPARTMENT OF PUBLIC WORKS

OFFICE OF CITY ENGINEER, Masonic Building,

Geo. A. Carpenter, Member Am. Soc. C. E., City Engineer,

Pawtucket, R. I., July 22, 1912.

Mr. W. E. Sullivan, 4 North Tenth Street, Richmond, Va.; Dear Sir.—Replying to yours of the 23th inquiring about bitulithic pavement, I would say that we have about 57,300 square yards in this city, the first of which was laid in 1902. Our experience with this pavement has been very satisfactory.

We have never used any asphalt block paving in this city.

Yours truly,

GEO. A. CARPENTER,

City Engineer

Theodore S. Oxholm, Eng. in Charge, THE CITY OF NEW YORK.

PRESIDENT OF THE BOROUGH OF RICHMOND Geo. Cromwell.

PRESIDEAT C.

Geo. Cromwell,
President of the Borough,
Louis L. Tribus,
Consulting Engineer and Acting
Commissioner of Public Works,
Borough Hall, New Brighton, New York City,
July 22, 1912

W. E. Sullivan, Esq.

4 North Tenth Street, Richmond, Va.:

Dear Str.—In reply to yours of the 19th instant requesting our experience in the use of asphalt block and bitulithte pavements, will state that there is no question in my mind that a good bitulithic pavement is far superior to a good asphalt block pavement. We are replacing all of our asphalt block pavements of six years of age and over with other pavements, as they seem to be affected by climatic conditions, irrespective of traffic. The bitulithic pavement, however, must be 3 good one.

ospective of traine the citation parement, nowers, have a good one.

The "Topeka specifications," which we are now using to me extent, due to an injunction by the Warren Bros, against a straight bitulithic pavement, is not as good as their

rement.
If it is possible for you to use the Warren Bros' specificahis or some that are practically the same, I would advise

CITY OF NEW YORK, PRESIDENT OF THE BRONGH OF THE BRONG Third Avenue and E. 177th St.
Office of the Chief Engineer of Sewers and Highways.
Cyrus C. Miller, President.
Richard H. Gillespie, Chief Engineer.

Mr. W. E. Sullivan,
Member City Council,
4 North Tenth Street, Richmond, Va.:
Dear Sir,—I beg to acknowledge yours of the 19th instant, stating that you are considering the paving of one of your principal and most heavily traveled thoroughteres with asphalt blocks, and requesting information as to what my experience is with this type of pavement.
I desire to say that the authorities of the Borough of the Broox began to lay asphalt block pavement about nine years ago, and since that time have laid in the neighborhood of fifty-five miles of such pavement. We have let several con-

tracts this year for repaying some of the streets that were laid with asphalt blocks eight or nine years ago. A number of other streets, where the pavement was laid six to eight years ago and subjected to heavy traffic, should at this time be repayed. During the present season we have eliminated entirely the use of asphalt block pavement on heavy traffic thoroughfares.

Thos. I. Willis. Leon Mauberret, Principal Asst. Engr. Chief Clerk. W. J. Hardee, City Engineer OFFICE OF CITY ENGINEER.

New Orleans, La., July 23, 1912,

Very respectfully, W. J. HARDEE City Engin

Copy.;
Thos. L. Willis. Leon Mauberr.
Principal Assi. Engr. Chief Clerk.
OFFICE OF CITY ENGINEER.
New Orleans, La., July 23, 1912.

The Richmond Evening Journal,

New Orleans, La., July 23, 1912.

The Richmond Evening Journal.

Richmond, Va.:

Gentlemen.—I her to advise that the statement issued by the Southern Bitulithic Company as to the amount of their payement laid in this city, which statement accompanied your letter of the 19th instant, is correct.

There are twenty-four streets paved with bitulithic in this city, the first of which was completed on March 13, 1908, all were laid on a six-inch concrete foundation and a bituithic wearing surface two inches in thickness. The cost of these payements ranged from \$2.67 to \$2.95 per square yard.

Strictly speaking, these payements are all on residential streets, but as we have no regulation governing traffic, many of them are extensively used in a commercial way, so that our bituithic payement on Howard Avenue and also on St. Charles Avenue, while in the residential section, carry as great volume of traffic, both as to number of vehicles and tonnage, as usually operate on business streets. All the bituithic payement we have has proven entirely satisfactory in all respects and fully met our expectations.

Very respectfully.

W. J. HARDEE.

City Engineer.

Richmond, Virginia

ATLANTIC BITULITHIC COMPANY,